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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 310+

Application Number 10/823,454

Filing Date April 12, 2004

First Named Inventor JAMES E. O'TOOLE ET AL.

Art Unit 2636

Examiner Name JEFFERY A. HOFSSASS

Attorney Docket Number MI40-372

### ENCLOSURES (Check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment/Reply

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Reply to Missing Parts/  
Incomplete Application

☐ Reply to Missing Parts  
under 37 CFR 1.52 or 1.53

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a  
Provisional Application

☐ Power of Attorney, Revocation

☐ Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD

☐ After Allowance Communication to TC

☐ Appeal Communication to Board  
of Appeals and Interferences

☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please identify  
below):

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FORM-1449; COPIES OF CITED FOREIGN  
REFERENCES AND PUBLICATIONS

Remarks

NO FEES ARE BELIEVED TO BE DUE.

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name WELLS ST. JOHN P.S. (Customer No. 021567)

Signature

Printed name DEEPAK MALHOTRA

Date August 11, 2005

Reg. No. 33,560

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Serial No. .... 10/823,454  
 Confirmation No. .... 8313  
 Filing Date ..... April 12, 2004  
 Inventorship ..... James E. O'Toole et al.  
 Assignee ..... Micron Technology, Inc.  
 Group Art Unit ..... 2636  
 Examiner ..... Jeffery A. Hofsass  
 Customer No. .... 021567  
 Attorney's Docket No. .... MI40-372  
 Title: Radio Frequency Data Communications Device

## **INFORMATION DISCLOSURE STATEMENT**


References - See Attached Form PTO-1449

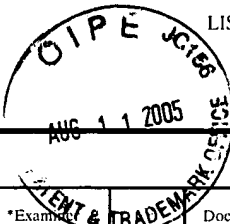
In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. Copies of only the cited foreign patents and publications are enclosed. No admission is made regarding whether all the submitted references are prior art.

This Supplemental Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits. Therefore, no fee is believed to be required. However, in the event that a fee is required for filing this Supplemental Information Disclosure Statement, please charge the fee specified under 37 C.F.R. § 1.17(p) to Deposit Account No. 23-0925.

Respectfully submitted,

Dated: August 11, 2005

By:   
 Deepak Malhotra  
 Reg. No. 33,560

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI40-372		SERIAL NO. 10/823,454	
 <p>LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)</p>				APPLICANT JAMES E. O'TOOLE ET AL.			
				FILING DATE APRIL 12, 2004		GROUP 2632	
U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	3,299,424	01/1967	VINDING	343	6.5	
	AB	3,852,755	12/1974	WORKS, ET AL.	343	701	
	AC	3,924,320	12/1975	ALTMAN, ET AL.	29	578	
	AD	4,075,632	02/1978	BALDWIN, ET AL.	343	6.8	
	AE	4,190,383	02/1980	KEMP	343	18	
	AF	4,384,288	05/1983	WALTON	340	825.34	
	AG	4,514,731	04/1985	FALCK, ET AL.	340	825.08	
	AH	4,478,881	10/1984	BARTUR	427	90	
	AI	4,572,976	02/1986	FOCKENS	307	524	
	AJ	4,656,463	04/1987	ANDERS, ET AL.	340	572	
	AK	4,700,179	10/1987	FANCHER	340	572	
	AL	4,724,427	02/1988	CARROLL	340	572	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	0 172 445 A1	07/95	EPO			
	AN	0 682 382 A2	04/95	EPO			
	AO	0 682 382 A3	05/95	EPO			
	AP	DE 3212876 A1	04/83	GERMANY			
	AQ	0 616 429 A1	01/94	EPO			
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		"Micron Morning Report", The Idaho Statesman, July 16, 1993				
	AS		"A Low-Power Spread Spectrum CMOS RFIC for Radio Identification Applications", by John R. Tuttle, RF Expo West, pp. 216-222,				
			March 22-24, 1994, San Jose, CA.				
	AT		Provisional Application, Serial No. 60/023,321, Filed July 30, 1996.				
EXAMINER				DATE CONSIDERED			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	4,743,864	05/1988	NAKAGAWA, ET AL.	331	1 A	
	AB	4,746,830	05/1988	HOLLAND	310	313	
	AC	4,783,646	11/1988	MATSUZAKI	340	572	
	AD	4,786,903	11/1988	GRINDAHL, ET AL.	340	825.540	
	AE	4,800,543	01/1989	LYNDON-JAMES ET AL.	368	10	
	AF	4,816,839	03/1989	LANDT	343	795	
	AG	4,827,395	05/1989	ANDERS, ET AL.	364	138	
	AH	4,853,705	08/1989	LANDT	343	803	
	AI	4,854,328	08/1989	POLLACK	128	736	
	AJ	4,857,893	08/1989	CARROLL	340	572	
	AK	4,862,160	08/1989	EKCHIAN, ET AL.	340	825.54	
	AL	4,868,908	09/1989	PLESS, ET AL.	323	267	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM	0 675 425 A2	10/4/95	EPO (Fujitsu Personal Systems)	G06F	1/32	X
	AN	0 675 425 A3	10/4/95	EPO (Fujitsu Personal Systems)	G06F	1/32	X
	AO	0 481 485 A2	4/22/92	EPO (NEC Corporation)	G06F	1/04	X
	AP	0 481 485 A3	4/22/92	EPO (NEC Corporation)	G06F	1/04	X
	AQ	2 238 210 A	05/1991	Great Britain			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	Provisional Application, Serial No. 60/023,318, Filed July 30, 1996.					
	AS	"CMOS Analog Integrated Circuits Based on Weak Inversion Operation", by Eric Vittoz and Jean Fellrath, IEEE Journal of Solid State Circuits, Vol. SC-12, No. 3, June 1997.					
	AT	"Digital RF/ID Enhances GPS", by John R. Tuttle, Proceedings of the Second Annual Wireless Symposium, pp. 406-411 February 15-18, 1994, Santa Clara, CA					
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U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	4,870,419	09/1989	BALDWIN	342	50	
	AB	4,888,591	12/1989	LANDT, ET AL.	342	44	
	AC	4,890,072	12/1989	ESPE, ET AL.	331	11	
	AD	4,912,471	03/1990	TYBURSKI, ET AL.	342	42	
	AE	4,926,182	05/1990	OHTA, ET AL.	342	44	
	AF	4,952,889	08/1990	IRWIN, ET AL.	332	128	
	AG	5,030,807	07/1991	LANDT, ET AL.	235	375	
	AH	5,072,194	12/1991	CHEVALLIER	330	260	
	AI	5,075,691	12/1999	GARAY, ET AL.	343	830	
	AJ	5,081,458	01/1992	MEUNIER	342	44	
	AK	5,086,389	02/1992	HASSETT, ET AL.	364	401	
	AL	5,103,156	04/1992	JONES, ET AL.	320	35	

FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
	AR		Mitsubishi Motors Corporation Web Page, 1995.
	AS		"Micron RFID Communications Protocol Manual", July 22, 1993 Pre-Release Version 0.95, pp. 1-71.
	AT		Waugh, Raymond; "Designing Detectors for RF/ID Tags"; RF Expo West Conference, January 29-February 1, 1995; pp. 1-12.

EXAMINER	DATE CONSIDERED
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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,122,687	06/1992	SCHMIDT	307	471	
	AB	5,128,938	07/1992	BORRAS	370	95.1	
	AC	5,130,668	07/1992	EMSLIE, ET AL.	330	281	
	AD	5,134,085	07/1992	GILGEN, ET AL.	437	52	
	AE	5,142,292	08/1992	CHANG	343	742	
	AF	5,143,820	09/1992	KOTECHA	430	314	
	AG	5,144,314	09/1992	MALMBERG, ET AL.	342	44	
	AH	5,151,624	09/1992	STEGHERR, ET AL.	307	498	
	AI	5,153,583	10/1992	MURDOCH	340	825.54	
	AJ	5,164,985	11/1992	NYSEN, ET AL.	380	9	
	AK	5,175,774	12/1992	TRAUX, ET AL.	382	8	
	AL	5,191,295	03/1993	NECOECHEA	328	155	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM						
	AN						
	AO						
	AP						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		Analysis and Design of Analog Integrated Circuits, Paul R. Gray & Robert G. Meyer, pages 667-681, 1993.				
	AS		Analog Integrated Circuits for Communication (Principles, Simulation and Design), Donald O. Pederson & Kartikeya Mayaram, pages 431-433 1991.				
	AT		A Precise Four-Quadrant Multiplier With Subnanosecond Response, Barrie Gilbert, IEEE Journal of Solid State Circuits, pages 365-373, 1968.				
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U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,206,609	04/1993	MIJUSKOVIC	331	57	
	AB	5,218,343	06/1993	STOBBE, ET AL.	340	572	
	AC	5,231,273	07/1993	CASWELL, ET AL.	235	385	
	AD	5,252,979	10/1993	NYSEN	342	50	
	AE	5,272,367	12/1993	DENNISON, ET AL.	257	306	
	AF	5,281,927	01/1994	PARKER	331	1 A	
	AG	5,287,112	02/1994	SCHUERMANN	342	42	
	AH	5,294,928	03/1994	COOPER	341	142	
	AI	5,300,875	04/1994	TUTTLE	320	20	
	AJ	5,300,896	04/1994	SUSSERMAN	330	260	
	AK	5,311,186	05/1994	UTSU, ET AL.	342	51	
	AL	5,323,150	06/1994	TUTTLE	340	825.540	
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							Yes    No
	AM						
	AN						
	AO						
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		Muller & Kamins, "Device Electronics for Integrated Circuits", 1977, John & Wiley & Sons, 2 <sup>nd</sup> Edition,				
			pages 157-160.				
	AS		Fink & Christiansen, "Electronic Engineer's Handbook", 1989, McGraw-Hill Book Company, 3 <sup>rd</sup> Edition,				
			Pages 7-41 to 7-42, 8-38 to 8-39, and 9-66 to 9-69.				
	AT		E.C. Young, "Dictionary of Electronics", 1979, pgs. 7 & 124.				
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,340,968	08/1994	WATANABE, ET AL.	235	380	
	AB	5,355,513	10/1994	CLARKE, ET AL.	455	20	
	AC	5,361,403	11/1994	DENT	455	74	
	AD	5,365,192	11/1994	WAGNER	330	252	
	AE	5,365,551	11/1994	SNODGRASS, ET AL.	375	1	
	AF	5,374,930	12/1994	SCHUERMANN	342	42	
	AG	5,394,159	02/1995	SCHNEIDER	343	700	
	AH	5,394,444	02/1995	SILVEY, ET AL.	375	374	
	AI	5,406,263	04/1995	TUTTLE	340	572	
	AJ	5,406,297	04/1995	CASWELL, ET AL.	343	741	
	AK	5,412,351	05/1995	NYSTROM, ET AL.	332	103	
	AL	5,412,665	05/1995	GRUODIS, ET AL.	371	27	
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	AM						
	AN						
	AO						
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		N.J. Woods, et al. "One micrometre scale self-aligned cobalt disilicide Schottky barrier diodes",				
			Electronics Letters, Vol. 31, No. 21, pages 1878-1889 Oct. 1995.				
	AS		Shenai Krishna "Characteristics of LPVD WS12/N-S1 Schottky Contacts", IEEE Electron Device Letters,				
			Vol. 12, No. 4, 1 April 1991, pgs. 169-171.				
	AT		Wolf, "Silicon Processing for the VLSI Era, Volmn3 2; Process Integration, 1990, Lattice Press, pp. 65 and 195.				
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U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,416,434	05/1995	KOOTSTRA, ET AL.	327	113	
	AB	5,420,757	05/1995	EBERHARDT, ET AL.	361	813	
	AC	5,423,074	06/1995	DENT	455	74	
	AD	5,430,441	07/1995	BICKLEY, ET AL.	340	825.54	
	AE	5,444,223	08/1995	BLAMA	235	435	
	AF	5,446,761	08/1995	NAG, ET AL.	375	317	
	AG	5,446,765	08/1995	LEGER	375	359	
	AH	5,448,110	09/1995	TUTTLE	257	723	
	AI	5,448,242	09/1995	SHARPE, ET AL.	342	42	
	AJ	5,448,772	09/1995	GRANDFIELD	455	333	
	AK	5,450,087	09/1995	HURTA, ET AL.	342	42	
	AL	5,461,385	10/1995	ARMSTRONG	342	42	
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	AM						
	AN						
	AO						
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR		Buechler, J., "Silicon-Millimeter-Wave Circuits for Receivers & Transmitters" IEEE Microwave & Millimeter-Wave .				
			Monolithic etc Symp. Pp 67-70 (1988).				
	AS						
	AT						
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	AA	5,471,212	11/1995	SHARPE, ET AL.	342	51		
	AB	5,478,991	12/1995	WATANABE, ET AL.	235	375		
	AC	5,485,520	01/1996	CHAUM, ET AL.	380	24		
	AD	5,489,546	02/1996	AHMAD, ET AL.	437	57		
	AE	5,499,214	03/1996	MORI, ET AL.	365	222		
	AF	5,500,650	03/1996	SNODGRASS, ET AL.	342	42		
	AG	5,511,090	04/1996	DENTON ET AL.	375	205		
	AH	5,525,992	06/1996	FROSCHERMEIER	342	42		
	AI	5,541,583	07/1996	MANDELBAUM	340	825.540		
	AJ	5,541,585	07/1996	DUHAME, ET AL.	340	825.690		
	AK	5,568,512	10/1996	ROTZOLL	375	221		
	AL	5,576,647	11/1996	SUTARDJA, ET AL.	327	108		
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,606,323	02/1997	HEINRICH, ET AL.	342	51	
	AB	5,621,412	04/1997	SHARPE, ET AL.	342	51	
	AC	5,623,224	04/1997	YAMADA, ET AL.	327	333	
	AD	5,640,151	06/1997	REIS	340	10.2	
	AE	5,649,296	07/1997	MacLELLAN, ET AL.	455	38.2	
	AF	5,657,359	08/1997	SAKAE, ET AL.	375	376	
	AG	5,668,560	09/1997	EVANS, ET AL.	343	702	
	AH	5,677,667	10/1997	LESESKY, ET AL.	340	431	
	AI	5,686,864	11/1997	MARTIN, ET AL.	331	1 A	
	AJ	5,686,920	11/1997	HURTA, ET AL.	342	42	
	AK	5,703,509	12/1997	HIRATA	327	119	
	AL	5,719,550	02/1998	BLOCH, ET AL.	340	426	
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI40-372		SERIAL NO. 10/823,454	
<b>LIST OF ART CITED BY APPLICANT</b> (Use several sheets if necessary)				APPLICANT JAMES E. O'TOOLE ET AL.			
				FILING DATE APRIL 12, 2004		GROUP 2632	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,721,678	02/1998	WIDL	364	424.04	
	AB	5,721,783	02/1998	ANDERSON	381	68.6	
	AC	5,726,630	03/1998	MARSH, ET AL.	340	572	
	AD	5,774,022	06/1998	GRIFFIN, ET AL.	331	1 A	
	AE	5,780,916	07/1998	BERGER, ET AL.	257	471	
	AF	5,815,042	09/1998	CHOW, ET AL.	331	57	
	AG	5,901,349	05/1999	GUEGNAUD, ET AL.	455	302	
	AH	5,907,789	05/1999	KOMATSU	438	649	
	AI	5,940,006	08/1999	MacLELLAN ET AL.	340	825.54	
	AJ	5,970,398	10/1999	TUTTLE	455	193.1	
	AK	6,122,494	09/2000	TUTTLE	455	193.1	
	AL	6,130,602	10/2000	O'TOOLE ET AL.	340	10.33	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes    No
	AM						
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
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<b>LIST OF ART CITED BY APPLICANT</b> (Use several sheets if necessary)				APPLICANT James E. O'Toole, et al.			
				FILING DATE April 12, 2004		GROUP 2632	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	4,897,662	01/1990	LEE ET AL.	343	701	
	AB	4,942,393	07/1990	WARAKSA ET AL.	340	825.72	
	AC	5,235,326	08/1993	BEIGEL ET AL.	340	825.54	
	AD	5,317,309	05/1994	VERCELLOTTI ET AL.	340	825.54	
	AE	5,519,386	05/1996	TOBERGTE	340	825.54	
	AF	5,649,295	07/1997	SHOBER ET AL.	455	38.2	
	AG	6,249,212 B1	06/2001	BEIGEL ET AL.	340	10.34	
	AH	5,491,718	02/1996	GOULD ET AL.	375	205	
	AI	5,606,322	02/1997	ALLEN ET AL.	341	173	
	AJ	4,843,354	06/1989	FULLER ET AL.	333	81	
	AK	5,448,770	09/1995	Hietala ET AL.	455	126	
	AL	5,696,025	12/1997	VIOLETTE ET AL.	437	175	
	AM	5,741,462	04/1998	NOVA ET AL.	422	68.1	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes      No
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				FILING DATE APRIL 12, 2004		GROUP 2632	
U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	3,694,776	09/1972	LINDER	333	17	
	AB	3,921,094	11/1975	SCHAIBLE	331	1	
	AC	5,121,407	06/1992	PARTYKA ET AL.	375	1	
	AD	5,334,951	08/1994	HOGEBOOM.	331	1	
	AE	5,705,947	01/1998	JEONG	327	270	
	AF	4,697,184	09/1987	CHEAL ET AL.	342	28	
	AG	5,055,968	10/1991	NISHI ET AL.	361	395	
	AH	5,345,231	09/1994	KOO ET AL.	340	870.31	
	AI	5,437,041	07/1995	WAKABAYASHI ET AL.	395	800	
	AJ						
	AK						
	AL						
	AM						
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
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	AP						
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